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## Three New Species of the Nolinae from Taiwan (Lepidoptera, Noctuidae)

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**Abstract** *Evonima elegans* sp. n., *Meganola melanomedia* sp. n., *Meganola diversalis* sp. n. are described from Taiwan and *Mimerastris* is newly synonymized with *Evonima*.

**Key words** Noctuidae, Nolinae, *Evonima*, *Meganola*, *Mimerastris*, taxonomy, Taiwan.

### *Evonima elegans* sp. n.

♂. Antenna dentate-ciliate, ciliae about twice width of shaft, palpus slender, porrect, about twice diameter of eye.

Forewing creamy white, costal and terminal area purplish blue, antemedian line brownish, angled below cell, median shade-like fascia bluish, triangle at costa, interrupted below cell, then represented by dark brown fascia, becoming broader ventrally, hindmarginal area between antemedian and median brownish, postmedian blue line faint at costal area, angled at radials, indent at CuA<sub>1</sub>, subterminal whitish line, angled inward at radials, then running close to termen, termen pale yellow, narrow interspace between subterminal line and termen brownish, fringe dark greyish, white at base. Hindwing light grey, whitish at basal area and termen, fringe similar to forewing, but paler. Under surface white, but wide anterior and terminal area of forewing and costal area of hindwing fuscous. Length of forewing, 9–10 mm (summer brood), 11 mm (spring brood).

♂ genitalia. Uncus slender, hooked at tip, valva with costal and ventral margins subparallel, harpe a little protruded from valva, tip roundish, its ventral side verrucous, aedeagus very small, shorter than uncus.

Holotype, ♂. Shihtzulu, 1520 m, Chiai Hsien, 5–6. v. 1984 (H. YOSHIMOTO). Paratypes. Lushan Spa, 1200 m, Nantou Hsien, 5. viii. 1974, 1 ♂ (H. NAKAJIMA); *ditto*, 20–23. viii. 1984, 1 ♂ (Y. KISHIDA).

From *Evonima mandschuriana* (OBERTHÜR), **comb. n.**, it is readily distinguished by maculation of forewing: basal half not so infuscated but apical area and distal half of dorsal area much darker and in male genitalia uncus much slenderer and saccus more roundish at tip.

From the ciliated male antennae HAMPSON, 1900, *Cat. Lepid. Phal. Br. Mus.* **2**: 73–75, considered *Mimerastris* BUTLER, 1881, type-species: *Erastris mandschuriana*

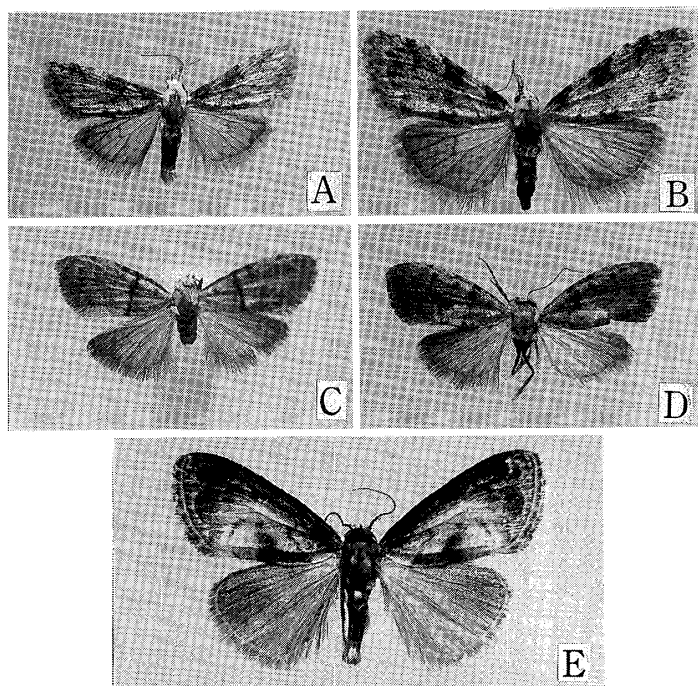


Fig. 1. A : *Meganola melanomedia* sp. n. Holotype, ♂. B : *ditto*. Paratype, ♀. C : *M. diversalis* sp. n. Holotype, ♂. D : *ditto*. Paratype, ♀. E : *Evonima elegans* sp. n. Holotype, ♂.

(OBERTHÜR), Section II of *Roeselia* sensu HAMPSON, nec HÜBNER, [1825], and he placed *Nola anfracta* EDWARDS from U. S. A., *N. longiventris* POUJADE from Tibet and *Pisara discisignata* HAMPSON from Sri Lanka therein. *N. anfracta* is now placed in *Phobolusia* DYAR, 1908, Acontiinae, Noctuidae, cf. POOLE, 1989, in HEPPNER, *Lepid. Cat.* 118: 798. In classifying the Nolinae, I introduced *Meganola* DYAR, 1898, for HAMPSON's *Roeselia* tentatively, cf. 1982, *Moths Japan* 1 : 664–667, but separated *E. mandschuriana* from *Meganola* mainly based on the ciliated male antenna. According to my observation *Evonima aperta* WALKER, 1865, the type-species of the genus, from Java, Penisular Malaysia, Thailand and Taiwan should be considered as congeneric with *mandschuriana* in male antenna and genitalia. Therefore, I have placed the present new species in *Evonima* and will here treat *Mimerastris* a junior synonym of *Evonima* (**syn. n.**). *E. aperta* is characterized by tuft of scales at hindmargin of forewing in both sexes, in addition to its peculiar maculation, cf. BARLOW, 1982, *Introduc. Moths South East Asia* : 78, pl. 23 : 5.

#### *Meganola melanomedia* sp. n.

Male antennal pectination slender, the longest rami more than six times width of shaft, apical one-third simple, palpus in both sexes about three times diameter of eye.

Forewing with ground colour white mixed with greyish scales, dorsal half of base brownish black, antemedian line acutely angled below cell, blackish brown mark on costa distal to antemedian, posterior half between antemedian and postmedian filled-in

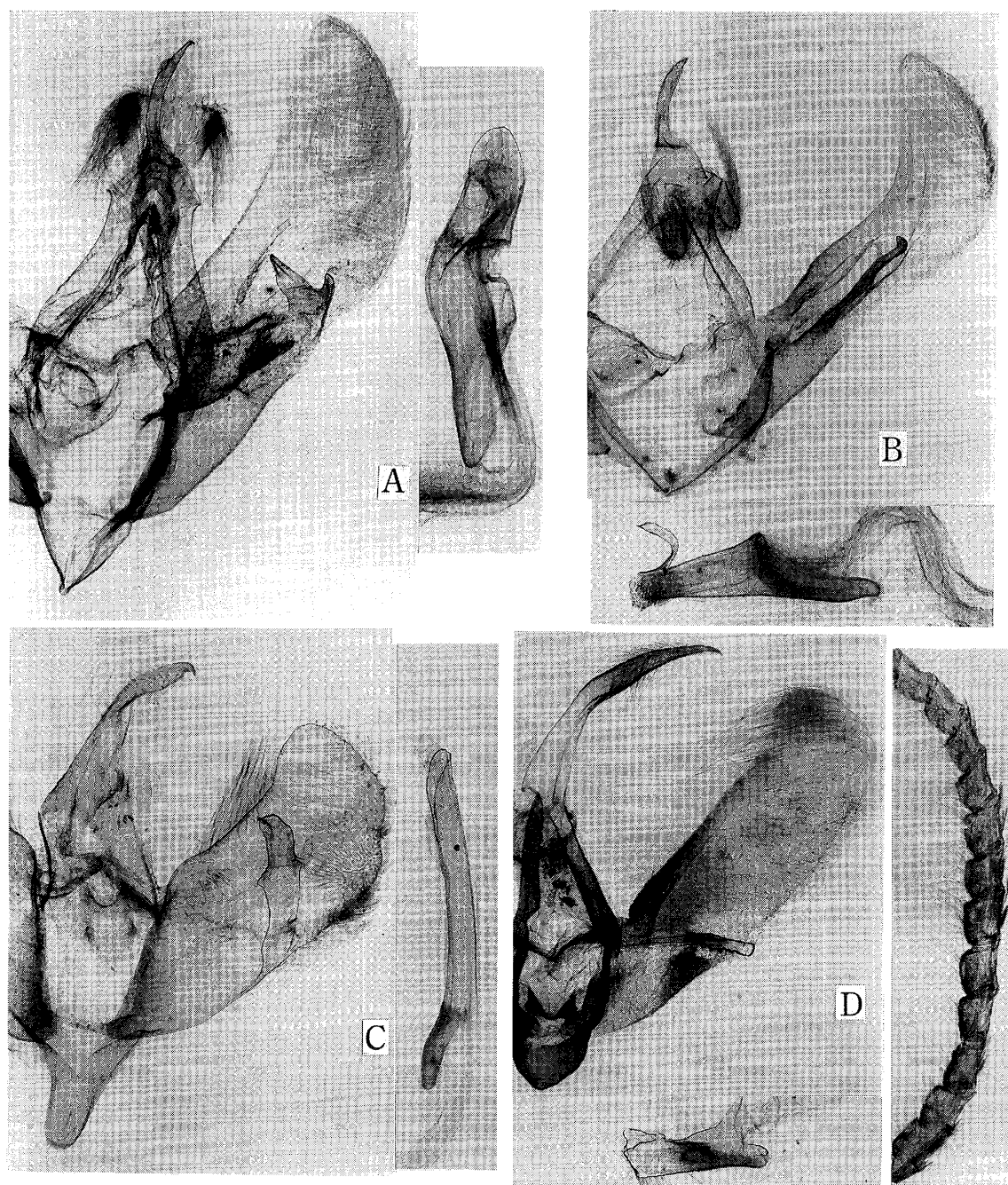


Fig. 2. Male genitalia and antenna. A : *Meganola melanomedia* sp. n. (HI Slide 12222). B : *M. phaeochroa* (HAMPSON) (HI Slide 12220). C : *M. diversalis* sp. n. (HI Slide 12226). D : *Evonima elegans* sp. n. (HI Slide 12242). Right : antenna.

with blackish brown, often the costal mark conjoined with the posterior one and consisting a broad fascia, postmedian line minutely dentate, angled below costa, then straight to hindmargin, subterminal area broadly infuscated, white subterminal line clear at least at posterior two-thirds, fringe dark grey. Hindwing white, darker towards termen. Both wings without discocellular mark. Length of forewing, 8–9 mm.

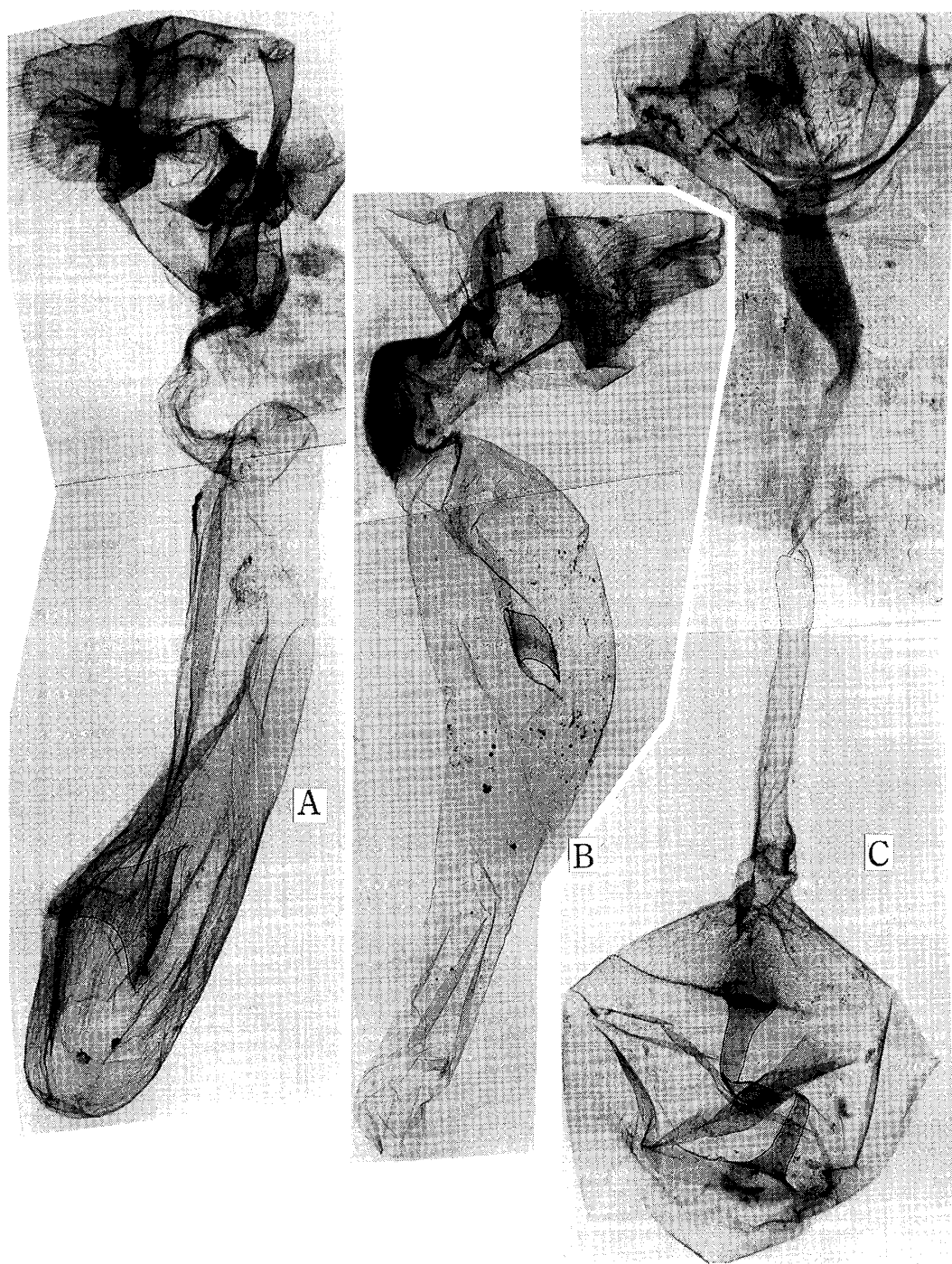


Fig. 3. Female genitalia. A : *Meganola melanomedia* sp. n. (HI Slide 12223). B : *M. phaeochroa* (HAMPSON) (HI Slide 12221). C : *M. diversalis* sp. n. (HI Slide 12227).

♂ genitalia. Uncus long, slender, hooked, both sides of anal tube with sclerotized hairy pads, harpe with a triangular process directing dorsad, apex a little produced at base of the triangle, saccus rectangular, aedeagus robust, a little over the length of uncus, no cornutus. ♀ genitalia. Ductus bursae not sclerotized, corpus bursae elongate, signum a very large plate, roundedly indent at cephalic margin to form two points at sides.

Holotype, ♂. Alishan, Chiai Hsien, 19–22. vi. 1973 (M. OWADA). Paratypes. Lushan Spa, Nantou Hsien, 19–21. iii. 1972, 1 ♂ (K. NAKATOMI); Kuantauchi, Nantou Hsien, 31. x. 1972, 1 ♂ (S. YAMANE); Fenchihu, Chiai Hsien, 23–24. vi. 1973, 1 ♂, 3 ♀ (M. OWADA); Near Tsuifeng, 2200 m, Nantou Hsien, 23. viii. 1973, 1 ♀ (Y. SHIBATA); Wushe, Nantou Hsien, 28. vii. 1974, 1 ♀ (Y. SHIBATA); Lishan, Taichung Hsien, 9. viii. 1974, 1 ♀ (H. NAKAJIMA); Chihpen Spa, 200 m, Taitung Hsien, 28. iii. 1984, 1 ♀ (A. KAWABE).

Somewhat similar to *M. phaeochroa* (HAMPSON) from Sikkim and Taiwan, but forewing darker in coloration, median area darker, in male genitalia costal margin of valva not concave, harpe is not a stick-like sclerotization, dorsal margin of tip of aedeagus without a process, and in female genitalia signum much larger, its position is more cephalic.

### *Meganola diversalis* sp. n.

Antenna in ♂ ciliate, longest ciliae about three times width of shaft, palpus thick, about twice diameter of eye.

Forewing grey, basal and central area paler than terminal third, antemedian line faint, median line black, thick, almost straight from costa to hindmargin, postmedian line weakly dentate, slender, angled at middle, subterminal whitish line obscure, termen infuscated on veins, fringe dark grey. Hindwing dull whitish, darker towards termen. Both wings without discocellular mark. Length of forewing, 8–9 mm.

♂ genitalia. Uncus hooked, broader at middle, valva ample, costal margin strongly swollen dorsad at apical one-third, harpe with a broad, pointed process, tip approximated to costal margin, aedeagus slender, much longer than uncus, saccus a narrow process, tip rounded.

♀ genitalia. Ductus bursae slender, caudal one-fourth thicker, tip of cephalic half scobinated, corpus bursae globular, a pair of signa with long horn-like processes.

Holotype, ♂. Rushan-Unchen (= Lushan Spa), Nantou Hsien, 3–6. iii. 1972 (M. OWADA). Paratypes. Data as holotype, 1 ♀; Kalaping, Chiai Hsien, 29. iii. 1972, 1 ♀ (M. OWADA).

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摘 要

台湾産コブガ亜科の3新種（井上寛）

台湾産のヤガ科コブガ亜科の3新種を記載したが、そのうちの *Evonima elegans* INOUE は、日本のリンゴコブガと近縁である。リンゴコブガは *Mimerastria* BUTLER, 1881 の模式種とされているが、東南アジアから台湾に分布する *Evonima aperta* WALKER, 1865 と同属と考えられるので、この論文で *Mimerastria* を *Evonima* のシノニムとし、リンゴコブガを *E. mandschuriana* (OBERTHÜR) とよぶことにした。

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